

## Abstract

The present invention relates to improved variants of soluble pyrroloquinoline quinone (PQQ)-dependent glucose dehydrogenases (s-GDH), to genes encoding mutated s-GDH, to mutant proteins of s-GDH with improved substrate specificity for glucose, and to  
5 different applications of these s-GDH variants, particularly for determining concentrations of sugar, especially of glucose in a sample.

10089997-100901